

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended):

A metering device for a liquid medium under pressure, the metering device comprising:

a housing having an inlet and an outlet for said liquid medium, said housing including a ~~cylindrical~~ first chamber having an open end communicating with said outlet;

a first check valve means in said housing, said first check valve normally biased to close said open end of said ~~cylindrical~~ first chamber;

a first piston having a drive end, said first piston slidably received and operatively disposed in said ~~cylindrical~~ first chamber, said first piston and said ~~cylindrical~~ first chamber defining a metering chamber;

means to conduct said liquid medium from said housing inlet to said metering chamber;

a second check valve located in said housing, received and operatively disposed in said first piston drive end ~~selectively positioned between an open position and a closed position~~ and moveable between and including at least a first position and a second position, whereby pressure from said liquid medium biases moves said second check valve ~~alternatively between said open and said closed position~~; and

said first piston forcing said liquid past said first check valve means to completely evacuate said metering chamber on each working stroke to thereby generally preclude entrapment of air in said metering chamber.

Claim 2 (currently amended):

The metering device of claim 1 wherein said first check valve means includes a seal normally biased and in sealing engagement ~~[[of]]~~ with said open end of said first chamber.

Claim 3 (currently amended):

The metering device of claim 1 wherein said second check valve means comprises a spring biased toggle mechanism arranged to provide ~~[[said]]~~ selective positioning of said second check valve means.

Claim 4 (Original):

The metering device of claim 3 wherein said second check valve means further comprises:

a diametrically disposed passageway including a detent;

at least one detent ball member;

a check valve spring, said check valve spring biasing said at least one detent ball member outwardly against detent to provide said selective positioning of said second check valve means.

Claim 5 (original):

The metering device of claim 3 wherein said second check valve comprises a leaf spring.

Claim 6 (original):

The metering device of claim 1 wherein said first piston extends a predetermined distance out of said cylindrical chamber to completely evacuate said metering chamber.

Claims 7-12 (canceled).